Beam Power Tube

NOVAR TYPE

For Horizontal-Deflection-Amplifier Service in Low-B+, Black-and-White TV Receivers

ELECTRICAL

Heater Characteristics and Ratings Voltage (AC or DC)	٧								
Current at 6.3 V	Ă								
Maximum heater-cathode voltage:	**								
Heater negative with respect to cathode:									
Peak 200	٧								
Heater positive with respect to cathode: Peak	٧								
DC component 100	v								
Direct Interelectrode Capacitances (Approx.)a	•								
Grid No.1 to plate	рF								
Input: G1 to (K, G3, G2, H) 22.0	ρF								
Output: P to (K, G3, G2, H) 9.0	ρF								
MECHAN I CAL									
Operating Position	lny								
Type of Cathode Coated Unipotenti	al								
Maximum Overall Length	in								
Diameter	in								
Dimensional Outline See General Section	on								
Bulb	112								
Cap Skirted Miniature (JEDEC No.CI-2 or CI-	-3)								
Base Large-Button Novar 9-Pin with Exhaust Tip (JEDEC No.E9-88)									
TERMINAL DIAGRAM (Bottom View)	10 /								
Pin 1 - Grid No.2									
Pin 2 - Grid No.1 H GP GI									
Pin 3 – Cathode									
Pin 4 - Heater									
Pin 5 - Heater Pin 6 - Grid No.1									
Pin 7 - Grid No. 2									
Pin 8 - Grid No.3									
Pin 9 – Do Not Use									
Cap - Plate G2 9QL									

CHARACTERISTICS

Peak Positive-Pulse	Plate	۷٥	oltag	је ^b .			6500	-	-	٧
Plate Voltage								50	130	٧
Grid No.3					Conn	ecte	d to c	athode	at sock	æŧ
Grid-No.2 Voltage .							125	125	125	٧
Grid-No.l Voltage .							_	0	-20	٧
Plate Resistance (A	pprox.	١.					_	_	12000	Ω

Transconductance	
HORIZONTAL-DEFLECTION AMPLIFIER	
Maximum Ratings, Design-Maximum Values	
For operation in a 525-line, 30-frame system	
DC Plate Supply Voltage	
Grid-No.2 Input	
At hottest point on bulb surface	
MAXIMUM CIRCUIT VALUES Grid-No.1-Circuit Resistance	
For grid-resistor-bias operation for plate-pulsed operation	
a Without external shield. b Under conditions shown in footnoted. C This value can be measured by a method invaluing a converse of the control of the cont	
 This value can be measured by a method involving a recurrent waveform such that the maximum ratings of the tube will not be exceeded. This rating is applicable where the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame sysyem, 15 per cent of one horizontal scanning cycle is 10 microseconds. 	
e In horizontal-deflection-amplifier service, a positive voltage may be applied to grid No.3 to reduce interference from "snivets" which may occur in both whi and uhf television receivers. A typical value for this voltage is 50 volts.	
f An adequate bias resistor or other means is required to protect the tube in the absence of excitation.	_

Average Characteristics



